



RFUS-61

EN Switch unit for outdoor use
RS Jednokanalna prekidačka jedinica sa povećanom IP65 zaštitom



iNELS

RF Control

02-57/2016 Rev.6

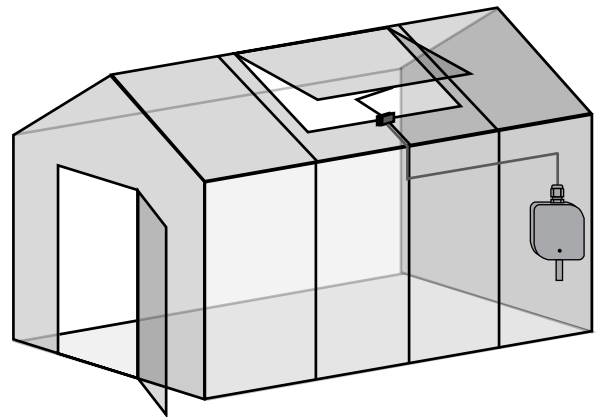
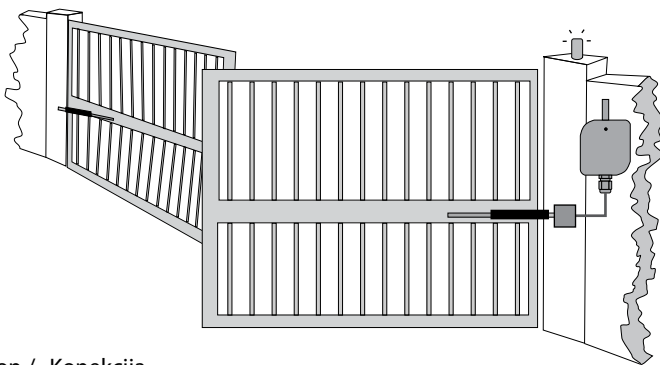
Characteristics / Karakteristike

- The switching unit with 1 output channel is used for controlling appliances, sockets or lights.
- They can be combined with detectors, controllers, iNELS RF Control or system components.
- The increased IP65 protection is suited to mounting on the wall or in harsh environments such as the cellar, garage or bathrooms.
- It enables connection of the switched load up to 12 A (3.000 W).
- Multi-function design - button, impulse relay and time function of delayed ON or OFF with time setting of 2s-60 min.
- The switching unit may be controlled by up to 25 channels (1 channel represents 1 button on the controller).
- The programming button on the unit is also used for manual control of the output.
- Memory status can be pre-set in the event of a power failure.
- For components labelled as iNELS RF Control² (RFIO²), it is possible to set the repeater function via the RFAF/USB service device.
- Range up to 200 m (in open space), if the signal is insufficient between the controller and unit, use the signal repeater RFRP-20 or protocol component RFIO² that support this feature.
- Communication frequency with bidirectional protocol iNELS RF Control² (RFIO²).

- Prekidački element sa 1 izlaznim kanalom koristi se za upravljanje uređajima, utičnicama ili svetlima.
- Može se kombinovati sa detektorima, kontrolerima ili iNELS RF elementima upravljačkog sistema.
- Povećana zaštita IP65 pogodna je za zidnu ugradnju čak i u zahtevnim okruženjima kao što su podrumi, garaže, kupatila ...
- Omogućava priključenje preklonog tereta do 12 A (3000 V).
- Multifunkcionalni dizajn - taster, impulsni relej i vremenske funkcije odloženog starta ili povratka sa podešavanjem vremena 2s-60 min.
- Preklonim elementom se može upravljati do 25 kanala (1 kanal predstavlja jedno dugme na kontroleru).
- Taster za programiranje na elementu takođe služi kao ručna kontrola izlaza.
- Mogućnost podešavanja statusa memorije u slučaju nestanka struje.
- Za elemente označene kao iNELS RF Control² (RFIO²), moguće je podesiti funkciju repetitora putem RFAF / USB servisnog uređaja.
- Domet do 200 m (na otvorenom), u slučaju nedovoljnog signala između kontrolera i elementa, koristite RFRP-20 repetitor signala ili elemente sa RFIO² protokolom koji podržavaju ovu funkciju.
- Frekvencija komunikacije sa dvosmernim iNELS RF Control² (RFIO²) protokolom.

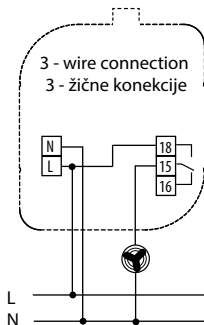
Assembly / Montaža

mounting in harsh environments
ugradnja u zahtevna okruženja

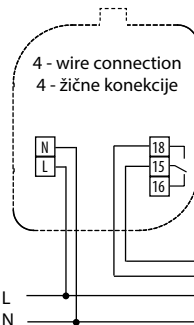


Connection / Konekcija

RFUS-61/120V
RFUS-61/230V

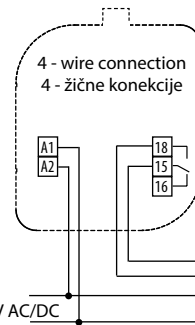


RFUS-61/120V
RFUS-61/230V



galvanically separated contact /
galvanski izolovani kontakt

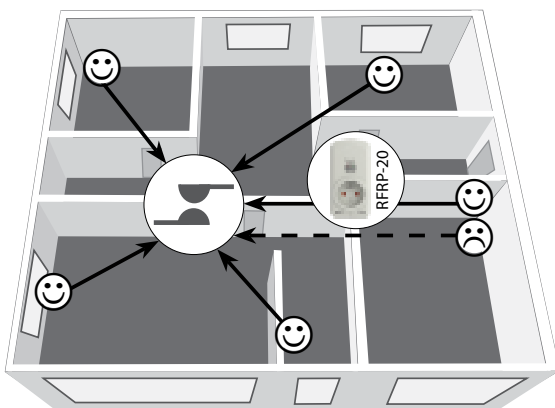
RFUS-61/24V



12-24 V AC/DC

galvanically separated contact /
galvanski izolovani kontakt

Radio frequency signal penetration through various construction materials / Prenos radio frekvencijskih signala preko različitih građevinskih materijala



60 - 90 %	80 - 95 %	20 - 60 %	0 - 10 %	80 - 90 %
brickwalls	wooden structures with plaster boards	reinforced concrete	metalpartitions	commonglass
zid od cigle	drvena konstrukcija sa gipsanim pločama	armirani beton	metalne pregrade	staklo

For more information, see "Installation manual iNELS RF Control":
<http://www.elkoep.com/catalogs-and-brochures>

Za više informacija, pogledati „Instalaciono uputstvo iNELS RF kontrole“:
<https://www.elkoep.rs/preuzimanja>



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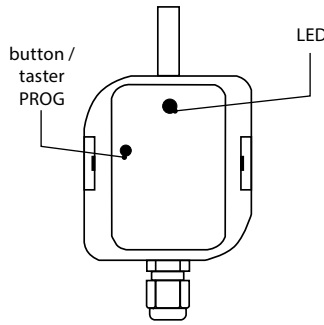
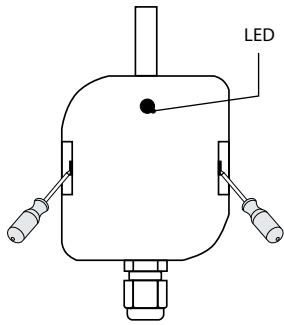


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RF Control

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Indication, manual control / Indikacija, ručna kontrola



Before starting the programming / manual control, open the actuator housing using a screwdriver. After completing programming / manual control, snap the housing closed again.

- LED STATUS - indication of the device status. Indicators of memory function:
 - On - LED blinks x 3.
 - Off - The LED lights up once for a long time.
- Manual control is performed by pressing the PROG button for less than 1s.
- Programming is performed by pressing the PROG button for more than 1s.

In the programming and operating mode, the LED on the component lights up at the same time each time the button is pressed - this indicates the incoming command.

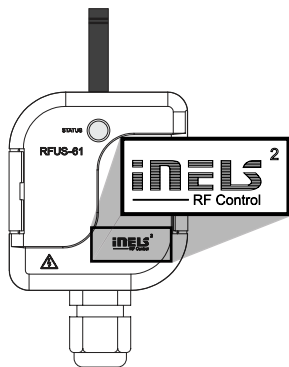
Pre početka programiranja / ručnog rada, otvorite poklopac elementa odvijačem.

Kada završite sa programiranjem / ručnim radom, pritisnite poklopac.

- LED STATUS - indikacija stanja uređaja. Indikacija funkcije memorije:
 - uključeno - LED trepće 3 puta.
 - isključeno - LED svetli jednom duže vreme.
- Ručni rad se vrši pritiskom na dugme PROG <1s.
- Programiranje se vrši pritiskom na dugme PROG > 1s.

U režimu programiranja i brisanja, svaki put kada se pritisne dugme na kontroleru, LED na elementu dugo svetli - to znači da je komanda primljena.

Compatibility / Kompatibilnost



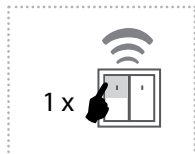
The device can be combined with all system components, controls and devices of iNELS RF Control and iNELS RF Control². The detector can be assigned an iNELS RF Control² (RFIO²) communication protocol.

Element se može kombinovati sa svim sistemskim elementima, kontrolerima i elementima sistema iNELS RF Control i iNELS RF Control². Detektori obeleženi komunikacijskim protokolom iNELS RF Control² (RFIO²) takođe se mogu dodeliti elementu.

Functions and programming with RF transmitters / Funkcije i programiranje RF transmitter

Function button / Funkcija taster

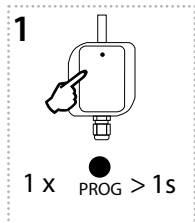
Description of button / Opis funkcije taster



The output contact will be closed by pressing the button and opened by releasing the button. For the correct execution of individual commands (press = closing / releasing the button = opening), the time delay between these commands must be a min of 1s (press - delay 1s - release).

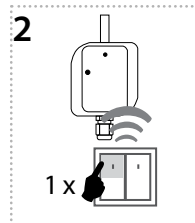
Izlazni kontakt zatvara se pritiskom na taster, otvara se otpuštanjem tastera. Za pravilno izvršavanje pojedinih naredbi (pritisnite = zatvaranje / otpuštanje tastera = otvaranje) vremensko kašnjenje između ovih naredbi mora biti min. 1s (pritisnite - sačekajte 1s - otpustiti).

Programming / Programiranje



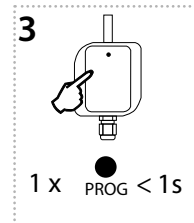
Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na taster za programiranje na elementu RFUS-61 tokom 1 sekunde, element se prebacuje u režim programiranja. LED lampica trepće u intervalima od 1 sekunde.



Select and press one button on wireless switch, to this button will be assigned function Button.

Pritiskom na taster po vašem izboru na RF kontroleru tasteru dodeljuje funkciju.



Press of programming button on receiver RFUS-61 shorter than 1 second will finish programming mode. The LED lights up according to the pre-set memory function.

Pritiskom na taster za programiranje na elementu RFUS-61 kraćim od 1 sekunde završava se režim programiranja, LED svetli u skladu sa podešenom funkcijom memorije.



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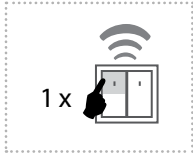
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Function switch on / Funkcija uključivanja

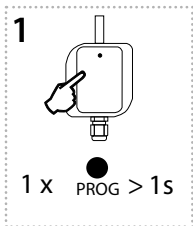
Description of switch on / Opis funkcije uključivanja



The output contact will be closed by pressing the button.

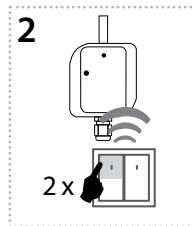
Izlazni kontakt zatvara se pritiskom na taster.

Programming / Programiranje



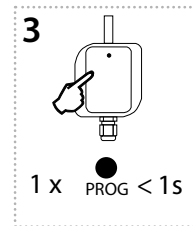
Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na taster za programiranje na elementu RFUS-61 tokom 1 sekunde, element se prebacuje u režim programiranja. LED lampica trepće u intervalima od 1 sekunde.



Two presses of your selected button on the RF transmitter assigns the function switch on (must be a lapse of 1s between individual presses).

2x pritisaka tastera koje ste odabrali na RF kontroleru dodeljuju funkciju za uključivanje (između pojedinačnih pritisaka mora biti kašnjenje od 1 s).

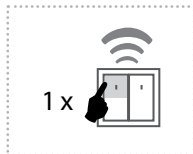


Press of programming button on receiver RFUS-61 shorter than 1 second will finish programming mode. The LED lights up according to the pre-set memory function.

Pritiskom na taster za programiranje na elementu RFUS-61 kraćim od 1 sekunde završava se režim programiranja, LED svetli u skladu sa podešenom funkcijom memorije.

Function switch off / Funkcija isključivanja

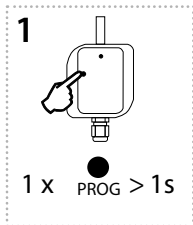
Description of switch off / Opis funkcije isključivanja



The output contact will be opened by pressing the button.

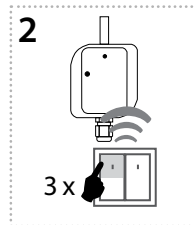
Izlazni kontakt se otvara pritiskom na taster.

Programming / Programiranje



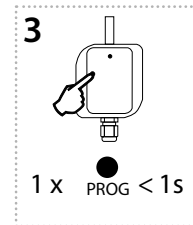
Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na taster za programiranje na elementu RFUS-61 tokom 1 sekunde, element se prebacuje u režim programiranja. LED lampica trepće u intervalima od 1 sekunde.



Three presses of your selected button on the RF transmitter assigns the function switch off (must be a lapse of 1s between individual presses).

3x pritisaka tastera koje ste odabrali na RF kontroleru dodeljuju funkciju za isključivanje (između pojedinačnih pritisaka mora biti kašnjenje od 1 s).

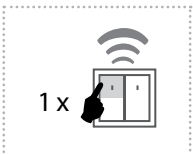


Press of programming button on receiver RFUS-61 shorter than 1 second will finish programming mode. The LED lights up according to the pre-set memory function.

Pritiskom na taster za programiranje na elementu RFUS-61 kraćim od 1 sekunde završava se režim programiranja, LED svetli u skladu sa podešenom funkcijom memorije.

Function impulse relay / Funkcija impulsnog releja

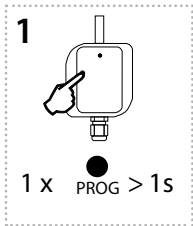
Description of impulse relay / Opis funkcije impulsnog releja



The output contact will be switched to the opposite position by each press of the button. If the contact was closed, it will be opened and vice versa.

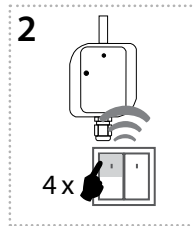
Izlazni kontakt se prebacuje u suprotno stanje svaki put kada se pritisne taster. Ako je bio zatvoren - otvara se, ako je bio otvoren - zatvara se.

Programming / Programiranje



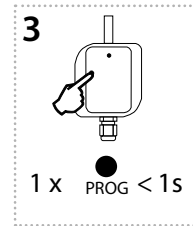
Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na dugme za programiranje na elementu RFUS-61 u trajanju od 1 sekunde, element se izvršava u režimu programiranja. LED lampica trepće u intervalima od 1 sekunde.



Four presses of your selected button on the RF transmitter assigns the function impulse relay (must be a lapse of 1s between individual presses).

4x pritisaka tastera koje ste odabrali na RF kontroleru dodeljuju funkciju impulsnog releja (između pojedinačnih pritisaka mora biti kašnjenje od 1 s).



Press of programming button on receiver RFUS-61 shorter than 1 second will finish programming mode. The LED lights up according to the pre-set memory function.

Pritiskom na taster za programiranje na elementu RFUS-61 kraćim od 1 sekunde završava se režim programiranja, LED svetli u skladu sa podešenom funkcijom memorije.



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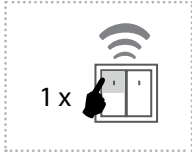
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Function delayed off / Funkcija odloženog isključivanja

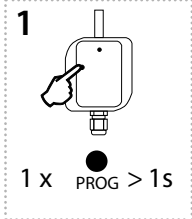
Description of delayed off / Opis funkcije odloženog isključivanja



The output contact will be closed by pressing the button and opened after the set time interval has elapsed.

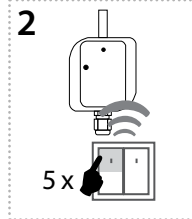
Izlazni kontakt se zatvara / otvara nakon pritiska na taster nakon isteka podešenog vremenskog intervala.

Programming / Programiranje



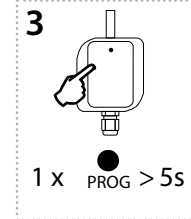
Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na dugme za programiranje na elementu RFUS-61 u trajanju od 1 sekunde, element se izvršava u režimu programiranja. LED lampica trepće u intervalima od 1 sekunde. Pritiskom na dugme za programiranje na



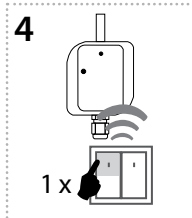
Assignment of the delayed off function is performed by five presses of the selected button on the RF transmitter (must be a lapse of 1s between individual presses).

Potrebno dodeljivanje funkcije odloženog isključivanja vrši se pomoću 5 pritiska izabranog dugmeta na RF kontroleru (između pojedinačnih pritiska mora biti kašnjenje od 1 s).



Press of programming button longer than 5 seconds, will activate actuator into timing mode. LED flashes 2x in each 1s interval. Upon releasing the button, the delayed return time starts counting.

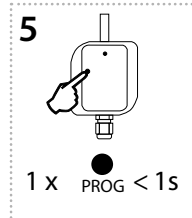
Pritiskom na taster za programiranje duže od 5 sekundi element se prebacuje u režim tajmera. LED trepće dva puta u intervalima od 1s. Kada se taster otpusti, odloženo vreme povratka počinje da se računa.



After the desired time has elapsed (range of 2s...60min), the timing mode ends by pressing the button on the RF transmitter, to which the delayed return function is assigned. This stores the set time interval into the actuator memory.

Nakon isteka potrebnog vremena (između 2 s ... 60 min), režim vremena se prekida pritiskom na tastera na RF kontroleru kojem je dodeljena funkcija odloženog isključivanja. Ovo štedi zadati vremenski interval u memoriji elementa.

t = 2s ... 60min.

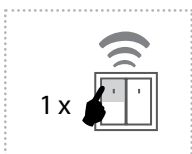


Press of programming button on receiver RFUS-61 shorter than 1 second will finish programming mode. The LED lights up according to the pre-set memory function.

Pritiskom na taster za programiranje na elementu RFUS-61 kraćim od 1 sekunde završava se režim programiranja, LED svetli u skladu sa podešenom funkcijom memorije.

Function delayed on / Funkcija odloženog uključivanja

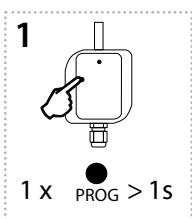
Description of delayed on / Opis funkcije odloženog uključivanja



The output contact will be opened by pressing the button and closed after the set time interval has elapsed.

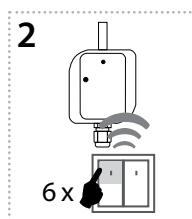
Izlazni kontakt se otvara / zatvara nakon pritiska na taster nakon isteka podešenog vremenskog intervala.

Programming / Programiranje



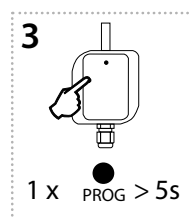
Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na dugme za programiranje na elementu RFUS-61 u trajanju od 1 sekunde, element se izvršava u režimu programiranja. LED lampica trepće u intervalima od 1 sekunde.



Assignment of the delayed on function is performed by six presses of the selected button on the RF transmitter (must be a lapse of 1s between individual presses).

Potrebno dodeljivanje funkcije odloženog uključivanja vrši se pomoću 6 pritiska izabranog dugmeta na RF kontroleru (između pojedinačnih pritiska mora biti kašnjenje od 1 s).



Press of programming button longer than 5 seconds, will activate actuator into timing mode. LED flashes 2x in each 1s interval. Upon releasing the button, the delayed return time starts counting.

Pritiskom na taster za programiranje duže od 5 sekundi element se prebacuje u režim tajmera. LED trepće dva puta u intervalima od 1s. Kada se taster otpusti, odloženo vreme povratka počinje da se računa.



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4



1 X



t = 2s ... 60min.

After the desired time has elapsed (range of 2s...60min), the timing mode ends by pressing the button on the RF transmitter, to which the delayed return function is assigned. This stores the set time interval into the actuator memory.

Nakon isteka potrebnog vremena (između 2 s ... 60 min), režim vremena se prekida pritiskom na tastera na RF kontroleru kojem je dodeljena funkcija odloženeog uključivanja. Ovo štediti zadati vremenski interval u memoriji elementa.

5



1 X PROG < 1s

Press of programming button on receiver RFUS-61 shorter than 1 second will finish programming mode. The LED lights up according to the pre-set memory function.

Pritiskom na taster za programiranje na elementu RFUS-61 kraćim od 1 sekunde završava se režim programiranja, LED svetli u skladu sa podešenom funkcijom memorije.

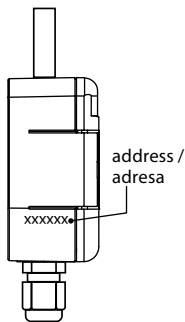
Safe handling / Bezbedno rukovanje uređajem



When handling a device unboxed it is important to avoid contact with liquids. Avoid contact with the components of the device.

Kada rukujete uređajem bez kutije, važno je izbegavati kontakt sa tečnostima. Ne dirajte komponente na uređaju.

Programming with RF control units / Programiranje sa elementima RF sistema

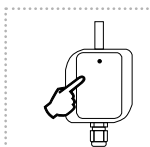


The address listed on the side of the actuator is used for programming and controlling actuators by RF control units.

Adresa navedena na bočnoj strani elementa koristi se za programiranje i kontrolu RF elemenata od strane sistemskih elemenata.

Delete actuator / Brisanje elemenata

Deleting one position of the transmitter / Brisanje jedne pozicije kontrolera



1 X PROG > 5s

By pressing the programming button on the actuator for 5 seconds, deletion of one transmitter activates. LED flashes 4x in each 1s interval.

Pressing the required button on the transmitter deletes it from the actuator's memory.

To confirm deletion, the LED will confirm with a flash long and the component returns to the operating mode. The memory status is not indicated.

Deletion does not affect the pre-set memory function.

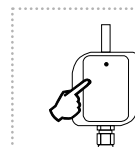
Pritiskom na taster za programiranje na RFUS-61 tokom 5 sekundi aktivira se brisanje jednog kontrolera. LED trepće 4 puta u intervalima od jedne sekunde.

Pritiskom na taster na daljinskom upravljaču briše se iz memorije elementa.

Da bi potvrdio brisanje, LED lampica trepće dugo vremena i element se vraća u režim rada. Status memorije nije prikazan.

Brisanje ne utiče na podešenu funkciju memorije.

Deleting the entire memory / Brisanje cele memorije



1 X PROG > 8s

By pressing the programming button on the actuator for 8 seconds, deletion of the actuator's entire memory. LED flashes 4x in each 1s interval.

The actuator goes into the programming mode, the LED flashes in 0.5 s intervals (max. 4 min.).

You can return to the operating mode by pressing the Prog button for less than 1s. The LED lights up according to the pre-set memory function and the component returns to the operating mode.

Deletion does not affect the pre-set memory function.

Pritiskom na taster za programiranje na RFUS-61 tokom 8 sekundi briše se celokupna memorija elementa. LED trepće 4 puta u intervalima od jedne sekunde.

Element se prebacuje u režim programiranja, LED treperi u intervalima od 0,5 s (maks. 4 min.).

Da biste se vratili u režim rada, pritisnite taster Prog manje od 1 sekunde. LED svetli u skladu sa podešenom funkcijom memorije i element se vraća u režim rada.

Brisanje ne utiče na podešenu funkciju memorije.



RFUS-61

EN Switch unit for outdoor use

RS Jednokanalna prekidačka jedinica sa povećanom IP65 zaštitom

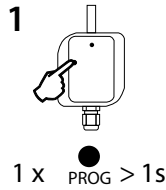


iNELS

RF Control

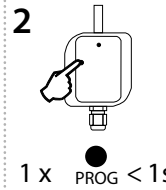
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Selecting the memory function / Odabir memorijske funkcije



Press of programming button on receiver RFUS-61 for 1 second will activate receiver RFUS-61 into programming mode. LED is flashing in 1s interval.

Pritiskom na taster za programiranje na 1 sekundu na RF elementu RFUS-61 element se prebacuje u režim programiranja. LED lampica trepće u drugim intervalima.



Pressing the programming button on the RFUS-61 receiver for less than 1 second will finish the programming mode, this will reverse the memory function. The LED lights up according to the current pre-set memory function. The set memory function is saved.

Every other change is made in the same way.

Pritiskom na taster za programiranje na RFUS-61 kraćim od 1 sekunde, završava se programiranje, čime se funkcija memorije menja u suprotnu. LED lampica svetli u skladu sa trenutno podešenom funkcijom memorije. Podešena funkcija memorije je sačuvana. Svaka sledeća promena podešavanja vrši se na isti način.

• Memory function on:

- For functions 1-4, these are used to store the last state of the relay output before the supply voltage drops, the change of state of the output to the memory is recorded 15 seconds after the change.
- For functions 5-6, the target state of the relay is immediately entered into the memory after the delay, after re-connecting the power, the relay is set to the target state.

• Memory function off:

When the power supply is reconnected, the relay remains off.

• Funkcija memorije na:

- Za funkcije 1-4 koristi se za čuvanje poslednjeg stanja izlaza releja pre prekida napona napajanja, promena izlaznog stanja se zapisuje u memoriju nakon 15 s od promene.
- Za funkcije 5-6, ciljno stanje releja se odmah zapisuje u memoriju nakon vremena kašnjenja, nakon ponovnog povezivanja napajanja, relej se postavlja u ciljno stanje.

• Isključena funkcija memorije:

Kada se napajanje ponovo poveže, relej ostaje isključen.

Technical parameters / Tehnički parametri

		RFUS-61/230V	RFUS-61/120V	RFUS-61/24V
Supply voltage:	Napon napajanja:	230 V AC / 50 - 60 Hz	120 V AC / 60Hz	12-24 V AC/DC 50-60Hz
Apparent power:	Prividna snaga:	5 VA / cos φ = 0.1	5 VA / cos φ = 0.1	-
Dissipated power:	Maksimalna potrošnja:	0.6 W	0.6 W	0.7 W
Supply voltage tolerance:	Tolerancija napajanja:	+10 %; -15 %		
<u>Output</u>	<u>Izlazi</u>			
Number of contacts:	Broj kontakata:	1 x switching / prelazi (AgSnO ₂)		
Rated current:	Nominalna struja:	12 A / AC1		
Switching power:	Prekidačka snaga:	3000 VA / AC1, 384 W / DC		
Peak current:	Maksimalna snaga:	30 A / <3 s		
Switching voltage:	Prekidački napon:	250 V AC1 / 24 V DC		
Min. switching power DC:	Min. preklopna snaga DC:	500 mW		
Mechanical service life:	Mehanički radni vek:	3x10 ⁷		
Electrical service life (AC1):	Električni radni vek (AC1):	0.7x10 ⁵		
<u>Control</u>	<u>Kontrola</u>			
RF command from the transmitter:	Frekvencija:	866 MHz, 868 MHz, 916 MHz		
Manual control:	Ručna kontrola:	button / taster PROG (ON/OFF)		
Range in open space:	Domet na otvorenom prostoru:	up to / do 200 m		
<u>Other data</u>	<u>Osali podaci</u>			
Operating temperature:	Radna temperatura:	-15 ... + 50 °C		
Operating position:	Pozicija rada:	any / bilo gde		
Mounting:	Montaža:	screws / zavrtanj		
Protection:	Stepen zaštite:	IP65		
Overvoltage category:	Kategorija prenapona:	III.		
Contamination degree:	Stepen zagađenja:	2		
Cross-section of connecting wires (mm ²):	Presek provodnika za povezivanje (mm ²):	max. 1x2.5, max. 2x1.5 / a hollow / sa šupljinom maks. 1x2.5		
Recommended power cord:	Preporučeni kabal za napajanje:	CYKY 3x1.5 (CYKY 4x1.5)		
Dimensions:	Dimenzije:	136 x 62 x 34 mm		
Weight:	Težina:	146 g		
Related standards:	Standardi:	EN 60669, EN 300 220, EN 301 489 R&TTE Directive, Order. No 426/2000 Coll. (Directive 1999/EC)		

Attention:

When you instal iNELS RF Control system, you have to keep minimal distance 1 cm between each units.

Between the individual commands must be an interval of at least 1s.

Upozorenje:

Kada instalirate iNELS RF Control sistem, mora se poštovati minimalno rastojanje od 1cm između pojedinih elemenata.

Između pojedinačnih komandi potrebno je da prođe interval od 1s.



RFUS-61

EN Switch unit for outdoor use

RS Jednokanalna prekidačka jedinica sa povećanom IP65 zaštitom



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RF Control

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Warning

Instruction manual is designated for mounting and also for user of the device. It is always a part of its packing. Installation and connection can be carried out only by a person with adequate professional qualification upon understanding this instruction manual and functions of the device, and while observing all valid regulations. Trouble-free function of the device also depends on transportation, storing and handling. In case you notice any sign of damage, deformation, malfunction or missing part, do not install this device and return it to its seller. It is necessary to treat this product and its parts as electronic waste after its lifetime is terminated. Before starting installation, make sure that all wires, connected parts or terminals are de-energized. While mounting and servicing observe safety regulations, norms, directives and professional, and export regulations for working with electrical devices. Do not touch parts of the device that are energized – life threat. Due to transmissivity of RF signal, observe correct location of RF components in a building where the installation is taking place. RF Control is designated only for mounting in interiors. Devices are not designated for installation into exteriors and humid spaces. They must not be installed into metal switchboards and into plastic switchboards with metal door – transmissivity of RF signal is then impossible. RF Control is not recommended for pulleys etc. – radiofrequency signal can be shielded by an obstruction, interfered, battery of the transceiver can get flat etc. and thus disable remote control.

Upozorenje

Uputstva za upotrebu su namenjena za ugradnju kao i za korisnike proizvoda. Uputstva se uvek dobijaju uz proizvod. Instalaciju i povezivanje smeju da obavljaju samo kvalifikovane osobe, u skladu sa svim važećim propisima, koja je detaljno upoznata sa ovim uputstvom i funkcijama komponenti. Funkcija elemenata takođe zavisi od prethodnog načina transporta, skladištenja i rukovanja. Ako u bilo kom slučaju primetite nekakve znakove oštećenja, deformacije, kvara ili ako neki deo nedostaje, nemojte ugrađivati uređaj, prijavite to prodavcu. Nakon što komponenti istekle životni vek, potrebno je tretirati je kao elektronski otpad. Pre započinjanja instalacije potrebno je prvo se uveriti da su žice, povezani delovi ili terminali bez napona. Tokom instalacije i održavanja moraju se poštovati sigurnosni propisi, standardi, direktive i profesionalne odredbe za rad sa električnom opremom. Ne dodirujte elemente pod naponom golim rukama, zbog mogućnosti stujnog udara i rizika od smrti. Zbog propustljivosti RF signala, obratiti pažnju na pravilno postavljanje RF elemenata u zgradi gde će se izvoditi ugradnja. RF kontrola je namenjena samo za unutrašnju ugradnju. Elementi nisu namenjeni za spoljašnju ugradnju kao i za ugradnju u vlažne prostorije, ne smeju se ugraditi u metalne ormance kao ni u plastične ormance sa metalnim vratima iz razloga što će to sprečiti prenos radio frekventijskog signala. RF kontrola se ne preporučuje za kontrolu uređaja koji pružaju životne funkcije kao i za kontrolu opasne opreme kao što su pumpe, električni grejači bez termostata, liftova, dizalica itd. iz razloga što prenos radio frekvencije može biti preklonjen, ometen, baterija predajnika se može isprazniti i na taj način daljinski upravljač može biti onemogućen.